

Title (en)
Organic kitchen garbage disposal system.

Title (de)
Vorrichtung zur Entsorgung von Küchenabfällen.

Title (fr)
Dispositif d'élimination de déchets ménagers.

Publication
EP 0608555 A1 19940803 (EN)

Application
EP 93120712 A 19931223

Priority
• JP 3470293 A 19930129
• JP 17913893 A 19930720
• JP 34888292 A 19921228

Abstract (en)
An organic kitchen garbage disposal system wherein kitchen garbage generated in a kitchen is charged after being ground into fine pieces in a grinder, into a process vessel (4) which contains a medium (B) where aschelminthes such as philodina and diplogaster and micro-organisms such as protozoa and bacteria are cultivated, then the process vessel (4) is rotated to mix the medium (B) and the kitchen garbage, thereby to decompose the kitchen garbage into inorganic materials (carbon dioxide, water) by means of the activities of the aschelminthes and micro-organisms.

IPC 1-7
C05F 9/02; **C05F 17/00**; **B09B 3/00**

IPC 8 full level
B65F 1/00 (2006.01); **C05F 9/02** (2006.01); **C05F 17/00** (2006.01); **C05F 17/02** (2006.01); **E03C 1/266** (2006.01)

CPC (source: EP KR)
B02C 17/16 (2013.01 - KR); **C02F 11/02** (2013.01 - KR); **C05F 9/02** (2013.01 - EP); **C05F 17/05** (2020.01 - EP); **C05F 17/70** (2020.01 - EP); **C05F 17/907** (2020.01 - EP); **C05F 17/964** (2020.01 - EP); **E03C 1/2665** (2013.01 - EP); **B02C 2201/06** (2013.01 - KR); **C02F 2209/08** (2013.01 - KR); **C02F 2209/42** (2013.01 - KR); **Y02A 40/20** (2017.12 - EP); **Y02P 20/145** (2015.11 - EP); **Y02W 30/40** (2015.05 - EP)

Citation (search report)
• [YA] US 4040810 A 19770809 - EBY HARRY J, et al
• [PYA] EP 0543041 A1 19930526 - BOEHNENSIEKER FRANZ [DE]
• [A] EP 0433310 A1 19910626 - PIANA GEORGES [FR]
• [A] PATENT ABSTRACTS OF JAPAN vol. 14, no. 314 (C - 737)<4257> 5 July 1990 (1990-07-05)

Cited by
CN111515008A; CN105945033A; EP0841313A3; US5856173A; CN108745547A; WO9854293A1; WO03061863A1

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